

COMPUTING TRANSCENDENTAL FUNCTIONS USING
SINGLE INSTRUCTION MULTIPLE DATA (SIMD) OPERATIONS

Abstract of the Disclosure

5 In one embodiment, the present invention includes a method for reducing an input argument x of a function to a range reduced value r according to a first reduction sequence, approximating a polynomial for a corresponding function of r having a dominant portion $f(A) + \sigma r$, and obtaining a result for the function using the polynomial.